

Product Name (B Deck Gauge)	Pallet Jack & Product Load Limits	Robot & Product Load Limits	Maximum Robot Contact Pressure	Thickness	Weight (kg/m ²)		Material Handling Finishes			Robotics Finishes	
					ResinDek [®]	ResinDek [®] with MetaGard [®]	UF	Gray Diamond Seal [®] or ESD	MetaGard [®] GVT	TriGard [®] ESD or ESD Ultra	MetaGard [®] SST
ResinDek[®] LD (0.9 mm) ¹	up to 910 kgs	up to 230 kgs	3.4 MPa	19 mm	13.7	20.5	✓	✓	✓	✓	✓
ResinDek[®] MD (0.9 mm) ResinDek[®] MD (1.2 mm)	up to 1,135 kgs up to 1,590 kgs	up to 910 kgs up to 1,365 kgs	5.2 MPa 6.9 MPa	19 mm	16.6	23.9	✓	✓	✓	✓	✓
ResinDek[®] HD (1.2 mm) ResinDek[®] HD - B Deck Not Required ^{1,2}	up to 2,045 kgs N/A	up to 1,815 kgs up to 345 kgs	8.3 MPa 5.2 MPa	19 mm	18.6	25.4	✓	✓	✓	✓	✓
ResinDek[®] MAX (1.2 mm)	up to 3,630 kgs	up to 2,725 kgs	10.3 MPa	38 mm	37.1	N/A	N/A	✓	✓	✓	✓
ResinDek[®] Xspan[®] <i>B Deck Not Required</i> ³	up to 1,365 kgs	up to 1,135 kgs	6.2 MPa	28 mm	25.4	32.3	✓	✓	✓	✓	✓
ResinDek[®] Xspan[®] FR <i>B Deck Not Required</i> ³	up to 1,365 kgs	up to 1,135 kgs	6.2 MPa	28 mm	25.4	32.3	✓	✓	✓	✓	✓

NOTES:

¹ Not Suitable for AGVs

² ResinDek HD robot and product load values above are calculated with 225 psf uniform loads at 406 mm center supports

³ ResinDek Xspan and Xspan FR load values above are calculated with 375 psf uniform loads at 406 mm center supports

- For flooring used with corrugated B Deck: Please note load values above are calculated on 914 mm beam spacing, increased spacing will increase deflection and/or decrease capacity.
- For flooring solutions with no B Deck: All allowable loads are based on a two span condition. Uniform load values are based on L/240 deflections, any deviation can positively or negatively impact these values. Please contact Cornerstone for other span conditions. The calculations and load tables to the left have been compiled based on specified calculation methods and assumptions. The loads provided are for the purpose of information for preliminary studies and can not be used as a reference in structural studies. Contact an accredited engineering office or architect to perform a complete stability analysis.